Appendix 1

Cornell-Dubilier Electronics, Inc.

Site Map



Appendix 2

Cornell-Dubilier Electronics, Inc. Site

EPA-NJRB written request to EPA-RAB (dated August 20, 2007)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION II

DATE: AUG 2 0 2007

SUBJECT: Request for Removal Action Branch Assistance at the

Cornell-Dubilier Electronics Site, South Plainfield,

New Jersey.

FROM: Carole Petersen, Chief

New Jersey Remediation Branch Cauce

TO: Joseph Rotola, Chief Removal Action Branch

The purpose of this memorandum is to request assistance from the Removal Action Branch (RAB) in assessing a portion of the Cornell-Dubilier Electronics (CDE) site for removal eligibility. As you know, our branches have discussed the scope of this request over the past few weeks, and this memorandum summarizes those discussions.

In January 1997, the removal program performed a removal site evaluation for the Cornell site. This evaluation included sediment data available at that time for the Bound Brook. Specifically, there is reference to a sediment sample collected from the stream near the rear of the property, at a concentration of 550 ppm for PCBs. In addition, the following sampling events have since been performed by the removal program for the Bound Brook:

- 1. In August through December 1997, the EPA Removal Action Branch collected surface and subsurface soil samples from the banks and sediment samples from the streambed along the Bound Brook. Approximately 2.4 miles of the Bound Brook was investigated. The results of this investigation are summarized in the "Soil and Sediment Sampling and Analysis Report", dated 09/07/98.
- 2. In June 1999, soil sampling activities were performed by the EPA Removal Action Branch to characterize PCB contamination in the flood plain of the Bound Brook in Reaches 5 and 6 (as defined in the "Soil and Sediment Sampling and Analysis Report, dated 09/07/98). Reaches 5 and 6 had the highest

mean surface soil PCB concentrations of the areas investigated. The four areas chosen for this investigation were selected based on their proximity to high use areas. Refer to the "Flood plain Soil/Sediment Sampling and Analysis Summary Report", dated 01/17/00 for the results of this investigation.

3. In April 1998, REAC performed an ecological evaluation for the Bound Brook. The objectives were to 1) to investigate the nature and extent of contamination within the Bound Brook downstream of the Cornell-Dubilier Electronics site;
2) to conduct an ecological risk assessment of a portion of the Bound Brook and its associated flood plain downstream of the Cornell-Dubilier Electronics site, and 3) to collect and analyze fish fillets from the Bound Brook downstream of the Cornell-Dubilier Electronics site for a human health risk assessment. Refer to the "Ecological Risk Assessment", dated July 1999.

These data resulted in fishing advisories for portions of the Bound Brook, New Market Pond and Spring Lake; however, no other removal response actions were deemed to be necessary at the time for the brook.

In April 2007, while exploring the brook adjacent to the site, representatives of the Edison Wetlands Association (EWA) discovered remnants of capacitors outside the fenced area of the site. While capacitors have been discovered previously along the banks of the brook adjacent to the site, the disposal patterns of CDE are not fully known and the discovery of these additional capacitors prompted several actions. Remedial Project Manager Pete Mannino and other members of our remedial action team currently on site collected obvious debris, posted additional signs, and now do periodic inspections of this area. In addition, the offices of Senators Lautenberg and Menendez, at EWA's urging, requested that EPA reconsider the removal eligibility of the Bound Brook.

If you have any questions about this request please speak with me or Pete Mannino at (212) 637-4395.

Appendix 3

Cornell-Dubilier Electronics, Inc. Site

Test Pit Trip Report [Weston Solutions, Inc. (U.S. EPA Removal Support Team (RST)] dated June 9, 2008



Weston Solutions, Inc.
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
732-585-4400 • Fax 732-225-7037
www.westonsolutions.com

REMOVAL SUPPORT TEAM 2 EPA CONTRACT EP-W-06-072

June 9, 2008

Mr. Nicholas Magriples, OSC U.S. Environmental Protection Agency Removal Action Branch 2890 Woodbridge Avenue Edison, NJ 08837

EPA CONTRACT NO: EP-W-06-072

TDD NO: TO-0007-0115

DOCUMENT CONTROL NO: RST 2-02-F-0542

SUBJECT: REVISED-TEST PIT OBSERVATION LOG AND FIGURE - Cornell – Dubilier Electronics Site (Bound Brook), South Plainfield, Middlesex County, New Jersey.

Dear Mr. Magriples:

Enclosed please find the revised Test Pit Observation Log and figure depicting the eight pit locations at the Cornell – Dubilier Electronics Site (Bound Brook) located in South Plainfield, New Jersey. The test pits were installed on May 14, 2008. The revisions reflect comments received on June 3, 2008.

If you have any questions, please do not hesitate to call me at (919) 424-2242.

Sincerely,

Weston Solutions, Inc.

Tara Rowland

Removal Support Team 2

Enclosure

cc: TDD File No.: TO-0007-0115

J. Brennan

		Air Monitoring										
	Depth	VOCs	СО	LEL	H ₂ S	Oxy						
Pit#	(feet)	ppm	ppm	%	ppm	%	Comments					
1	This pit was excavated within an embankment situated adjacent to the Bound Brook. The approximate dimensions of the pit were 16 feet long by by 4 feet wide by 4 feet deep.											
	1'	0.0	2.0	0.0	0.0	20.9	Dark soil with debris (a ceramic cup, coils and springs). There was also a railroad tie.					
	2'	0.0	2.0	0.0	0.0	20.9	Dark soil with debris such as (ceramic pieces, coils, springs, and wood pieces)					
	3'	0.0	2.0	0.0	0.0	20.9	Dark soil with metal pieces. There was various debris ranging from metal parts to bricks and stones.					
Í	4'	0.0	2.0	0.0	0.0.	20.9	Dark soil with debris (metal pieces originating from possible metals sheets). The western end of the pit contained most of the debris.					
	This pit wa	s excavat	ed along	the silt fer	nce, in a re	ı elatively fl	at area, near the top of the embankment just unstream of					
2	the twin cuby 4 feet w	iiveits tillo	ugn wnici	u tue Ron	ind Brook	passes.	The approximate dimensions of the pit were 10 feet long					
	1'	0.0	2.0	0.0	0.0	20.9	Reddish brown soil sandy silt with bricks.					
	2'	0.0	1.0	0.0	0.0	20.9	Capacitors found with redddish brown soil with wood and bricks.					
 	3'	0.0	1.0	0.0	0.0	20.9	More capacitors found intermixed with reddish brown soil.					
	3.5'	0.0	2.0	0.0	0.0	20.9	Reddish brown to brown with approximately 5% clayey soil.					
.3 .	The embar by 4 feet w	ikment wa	s estimat	ed to be 1	kment situ 15 to 18 fe	uated adja eet high. T	cent to a wetland area that borders the Bound Brook. he approximate dimensions of the pit were 11 feet long					
	1'	0.0	2.0	0.0	0.0	20.9	Dark soil with organic matter, i.e, roots.					
	2'	0.0	2.0	0.0	. 0.0	20.9	Dark soil with organic matter, i.e, roots.					
	3'	0.0	2.0	0.0	0.0	20.9	Dark soil with organic matter, i.e, roots.					
`\4.	the approximate difficults of the pit were 10 feet long by 1											
	1'	0.0	2.0	0.0	0.0	20.9	Dark soil with organic matter, i.e, roots.					
	2'	0.0	1.0	0.0	0.0	20.9	Dark soil with organic matter, i.e., roots and some brick pieces.					
. ,	3'	0.0	1.0	0.0	0.0	20.9	Dark soil with whole and pieces of bricks.					

		İ	Δi	r Monito	ring	<u> </u>		
,	Depth	VOCs	со	LEL	H₂S	Oxy		
Pit #	(feet)	ppm	ppm	%	ppm	%	Comments	
5		as excav ankment by 4 feet	Truo Collina	an emba ted to be	nkment-sit	uatod ad	jacent to a wetland area that borders the Bound Brook. ne approximate dimensions of the pit were 10 feet long by	
	1'	0.0	1.0	0.0	0.0	20.9	Dark soil with organic matter, i.e, roots.	
	2'	0.0	1.0	0.0	0.0	20.9	Dark soil with organic matter, i.e., roots and some brick pieces.	
	3'	0.0	2.0	0.0	0.0	20.9	Dark soil with whole and pieces of bricks.	
	4'	0.0	2.0	0.0	0.0	20.9	Dark soil with whole and pieces of bricks.	
6	The pit was	as excava approxim	ated along to nate dimens	he silt fen sions of th	ice, in a re le pit were	latively fl 12 feet l	at area, near the fence line on the southern edge of the ong by 4 feet wide by 3 feet deep.	
-	1'	0.0	1.0	0.0	0.0	20.9	Soil is loose and it contains microcapacitor parts. The clayey soil is a brownish-red. Plastic film that is used in microcapacitors were noted.	
	2'	0.0	.1.0	0.0	0.0	20.9	Soil is loose and contains microcapacitor parts. The clayey soil is a brownish-red. Plastic film that is used in microcapacitors were noted. Visual dark wall staining at 2.5'.	
	3'	0.0	2.0	0.0	0.0	20.9	Soil is loose and it contains microcapacitor parts. The clayey soil is a brownish-red. Plastic film that is used in microcapacitors were noted.	
7	The pit wa Site. The	s excavat approxim	ted along th ate dimensi	e silt fend ions of the	ce, in a rel e pit were	atively fla	at area, near the fence line on the southern edge of the ong by 4 feet wide by 2 feet deep.	
	1	0.0	2.0	0	0	20.9	Plastic film used in microcapacitors were noted. Soil contained mixed debris, along with wood blocks. A capacitor top was found at approximately 1.5' deep.	
	2'	0.0	1.0	≥ 0 ₄₀	0	20.9	The soil is a brownish-red and has mixed metal debris.	
8	The pit was estimated the original	excavat o be 15-1 excavatio	ed within ar 8 feet high on. The ap	embank The exc proximate	ment situa avation was dimensio	ited adja as widen ns of the	cent to the Bound Brook. The embankment was led to determine whether the bricks extended outside of pit were 10 feet long by 8 feet wide by 4 feet deep.	
	1'	0.0	2.0	0.0	0.0		Dark soil with organic matter, i.e, roots.	
	2'	0.0	2.0	0.0	0.0	20.9	Dark soil containing brick pieces and whole bricks. A lot of bricks located within this area. Soil contained some ash.	
	3'	.0.0	2.0	0.0	0.0	20.9	Dark soil with whole and brick pieces. There appears to be some ash, mixed with the soil.	
	4'	0.0	2.0	0.0	0.0	20.9	Dark soil with whole and brick pieces. There are a lot of bricks located within this area.	



Appendix 4

Cornell-Dubilier Electronics, Inc. Site

Trip Report Summarizing Visual Inspection of Bound Brook & Wetlands Area [Weston Solutions, Inc. (U.S. EPA Removal Support Team (RST)] dated July 28, 2008



Weston Solutions, Inc.

Suite 201 1090 King Georges Post Road Edison; New Jersey 08837-3703 732-585-4400 • Fax 732-225-7037

REMOVAL SUPPORT TEAM 2 EPA CONTRACT EP-W-06-072

July 28, 2008

Mr. James Kearns, OSC U.S. Environmental Protection Agency Removal Action Branch 2890 Woodbridge Avenue Edison, NJ 08837

EPA CONTRACT NO: EP-W-06-072

TDD NO: TO-0009-0027

DOCUMENT CONTROL NO: RST 2-02-F-0594

SUBJECT: Revised Photographic Documentation and Excel Spreadsheet

Capacitor Search at the Cornell - Dubilier Electronics Site, South

Plainfield, Middlesex County, New Jersey

Dear Mr. Kearns:

Enclosed please find the revised Excel spreadsheet, Erosion Control Plan map and corresponding Photographic Documentation Log used to document findings during the capacitor search conducted at the Cornell – Dubilier Electronics Site on July 8, 2008.

If you have any questions, please do not hesitate to call me at (732) 585-4413.

Sincerely,

Weston, Solutions, Inc.

Jeffrey Jager

Removal Support Team 2

Enclosure

cc:

TDD File No.: TO-0009-0027

CORNELL-DUBILIER ELECTRONICS SITE SOUTH PLAINFIELD, NEW JERSEY

		,			14.5		
Item No	Date Located	Time Located	RST 2 / EPA	Latitude	Longitude	General Location	Item Description
1	7/08/08	0730	J. Kearns	-74.409876	40.575226	North bank of Reach 2 at the double culvert	Foil
2	7/08/08	0730	K. Scott	-74.410036	40.575208	South bank of Reach 2 at the double culvert	Foil
3	7/08/08	0750	K. Scott	-74.409977	40.575364	South bank of Reach 2, Approx. 30' downstream of the double culvert	Unknown white structure - possible piece of capacitor.
4	7/08/08	0752	K. Scott	-74.410012	40.575335	South bank of Reach 2, Approx. 30' downstream of the double culvert	Suspected inner parts of capacitor:
5.	7/08/08	0810	J. Jager	-74.410517	40.576193	North bank of Reach 2	Item resembles a metal cap. Suspected to be associated with capacitor equipment.
6	7/08/08	0830	K. Scott	-74.410817	40.576397	South bank of Reach 2 at outfall pipe near the bridge between Reach 2 & 3	Small piece of metal. "Ramsey" written on it.
7	7/08/08	0845	J. Brennan	-74.410574	40.575917	South bank of Reach 2 at the outfall pipe	Area of strong petroleum-like odor and oil-like sheen.
8	7/08/08	0925	J. Brennan/J. Jager	-74.409781	40.575173	North bank of Reach 2 at the single culvert	Suspected capacitor part. Observed two-thirds buried in tongue of Bound Brook.
9	7/08/08	0900	Ĵ. Jager			RR spur between Reach's 1 & 2	Foil; GPS position not recorded (No signal). No photograph collected.
10	7/08/08	1000	J. Jager	-74.410131	40.575082	South Bank of Reach 1 / Immediately upstream of the double culvert	Foil
11	7/08/08	1005	J. Brennan	-74.410109	40.575075	South Bank of Reach 1 / Immediately upstream of the double culvert	Foil

CORNELL-DUBILIER ELECTRONICS SITE SOUTH PLAINFIELD, NEW JERSEY

Item No.	Date Located	Time Located	RST 2 / EPA	Latitude	Longitude	General Location	Item Description
12	7/08/08	1007	J. Kearns	-74.410091	40.57508	South Bank of Reach 1 / Immediately upstream of the double culvert	Oil-stained wood block
13	7/08/08	1015	J. Kearns	-74.410102	40.575033	South Bank of Reach 1 / Immediately upstream of the double culvert	Foil
14	7/08/08	1018	J. Kearns	-74.41011	40.574988	South Bank of Reach 1	Oil-stained wood block
15	7/08/08	1019	J. Kearns	-74.410102	40.575018	South Bank of Reach 1	Foil
16	7/08/08	1039	J. Kearns	-74.410081	40.574971	South Bank of Reach 1	Oil-stained wood block
17	7/08/08	1045	J. Kearns	-74.410072	40.574968	South Bank of Reach 1	Inner part of capacitor (paper/foil roll)
18	7/08/08	1047	J. Kearns	-74.410109	40.574969	South Bank of Reach 1	Inner part of capacitor (paper/foil roll)
19	7/08/08	1040	J. Kearns	-74.410115	40.574973	South Bank of Reach 1	Inner part of capacitor (paper/foil roll)
20	7/08/08	1050	J. Kearns	-74.410126	40.574941	South Bank of Reach 1	Oil-stained wood block
21	7/08/08	1055	J. Kearns	-74.410122	40.574905	South Bank of Reach 1	Foil and capacitor marked "Cornell-Dubilier"
22	7/08/08	1110	J. Kearns	-74.410038	40.574855	South Bank of Reach 1	Oil-stained wood block
23	7/08/08	1112	J. Kearns	-74.410046	40.574843	South Bank of Reach 1	Piece of metal.Suspected to be associated with capacitor equipment.

CORNELL-DUBILIER ELECTRONICS SITE SOUTH PLAINFIELD, NEW JERSEY

Item No.	Date Located	Time Located	RST 2 / EPA	Latitude	Longitude	General Location	Item Description
24	7/08/08	1130	J. Jager/J. Kearns	-74.410098	40.574771	South Bank of Reach 1	Oil-stained wood block
25	7/08/08	1140	J. Jager/J. Kearns	-74.410313	40.574115	South Bank of Reach 1	Inner part of capacitor (paper/foil roll)
26	7/08/08	1145	J. Jager/J. Kearns	-74.410396	40.574037	South Bank of Reach 1	Foil
27	7/08/08	1341	J. Kearns	-74.410384	40.574507	South Bank of Reach 1	Oil-stained wood block
28	7/08/08	1343	J. Kearns	-74.410384	40.574507	South Bank of Reach 1	Oil-stained wood block
29	7/08/08	1355	J. Brennan	-74.410448	40.574302	South Bank of Reach 1	Inner part of capacitor (paper/foil roll)

Note: Coordinates presented in Latitude/Longitude, WGS 1984, Decimal Degrees



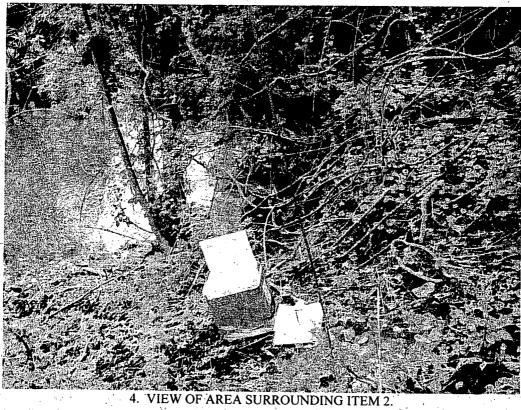
1. ITEM 1 (FOIL) - NORTH BANK OF REACH 2 AT THE DOUBLE CULVERT.



2. VIEW OF THE AREA SURROUNDING ITEM 1.



ITEM 2/(FOIL) - SOUTH BANK OF REACH 2 AT THE DOUBLE CULVERT.





5. ITEM 3 (UNKNOWN) – SOUTH BANK OF REACH 2, 30' DOWNSTREAM OF THE DOUBLE CULVERT.



6. VIEW OF AREA SURROUNDING ITEM 3.

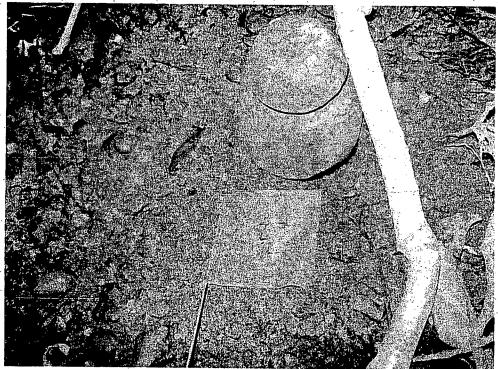
CORNELL-DUBILIER ELECTRONICS SITE SOUTH PLAINFIELD, NJ CAPACITOR SEARCH PHOTOS July 8, 2008



7. ITEM 4 (SUSPECTED CAPACITOR PART) – SOUTH BANK OF REACH 2, 35' DOWNSTREAM OF THE DOUBLE CULVERT.



8. VIEW OF THE AREA SURROUNDING ITEM 4.



9. ITEM 5 (METAL CAP-SUSPECTED TO BE ASSOCIATED WITH CAPACITOR EQUIPMENT.) – NORTH BANK OF REACH 2, APPROX. 100' UPSTREAM OF THE BRIDGE BETWEEN REACH 2 AND REACH 3.



10. VIEW OF AREA SURROUNDING ITEM 5.

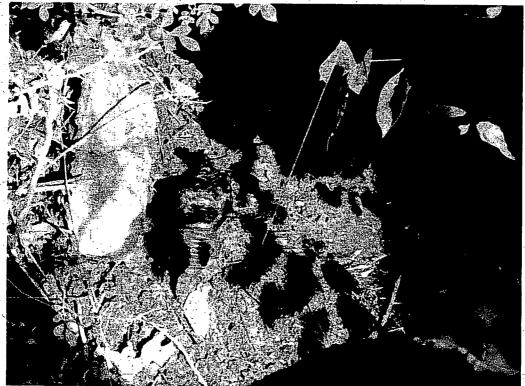
SOUTH PLAINFIELD, NJ CAPACITOR SEARCH PHOTOS July 8, 2008



13. ITEM 7 – SOUTH BANK OF REACH 2 AT THE FIRST OUTFALL PIPE. INDICATES AN AREA OF STRONG PETROLEUM-LIKE ODOR AND AN OIL-LIKE SHEEN ON THE WATER'S SURFACE.



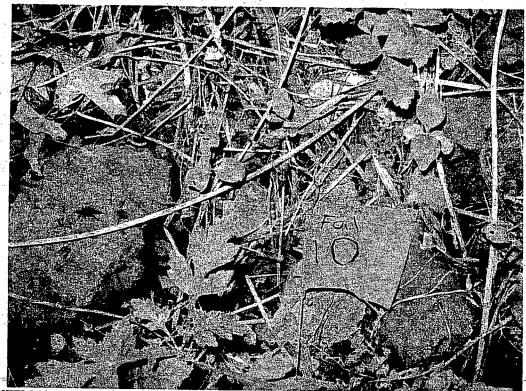
14. VIEW OF THE SWALE FROM THE FIRST OUTFALL PIPE SURROUNDING ITEM 7.



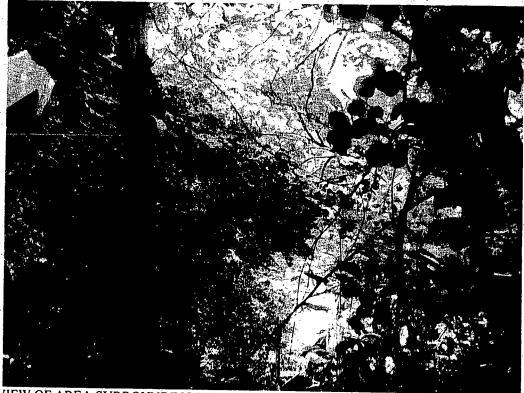
15. ITEM 8 (SUSPECTED CAPACITOR PART) –REACH 2 IN THE TONGUE OF THE SINGLE CULVERT.



16. VIEW OF THE AREA SURROUNDING ITEM 8.



17. ITEM 10 (FOIL) – SOUTH BANK OF REACH I IMMEDIATELY UPSTREAM OF THE DOUBLE CULVERT.



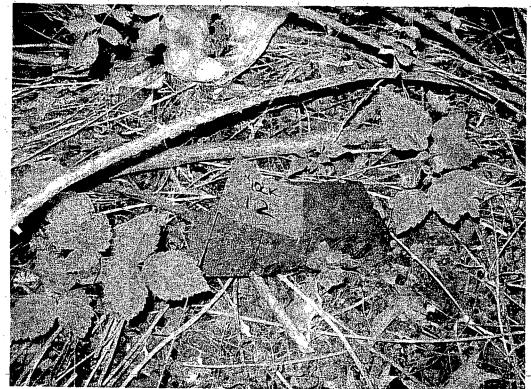
18. VIEW OF AREA SURROUNDING ITEM 10 LOOKING UPSTREAM FROM THE SOUTH BANK.



19. ITEM 11 (FOIL) – SOUTH BANK OF REACH 1 IMMEDIATELY UPSTREAM OF THE DOUBLE CULVERT.



20. VIEW OF AREA SURROUNDING ITEM 11 LOOKING UPSTREAM FROM THE SOUTH BANK.



21. ITEM 12 (OIL-STAINED WOOD BLOCK) – SOUTH BANK OF REACH 1 IMMEDIATELY UPSTREAM OF THE DOUBLE CULVERT.



22. VIEW OF CHAIN LINK FENCE ADJACENT TO THE DOUBLE CULVERT.



23. ITEM 13 (FOIL) – SOUTH BANK OF REACH 1 IMMEDIATELY UPSTREAM OF THE DOUBLE CULVERT.



24. VIEW OF THE AREA SURROUNDING ITEM 13 LOOKING UPSTREAM FROM THE SOUTH BANK.



25. ITEM 14 (OIL-STAINED WOOD BLOCK) – SOUTH BANK OF REACH 1 UPSTREAM OF THE DOUBLE CULVERT

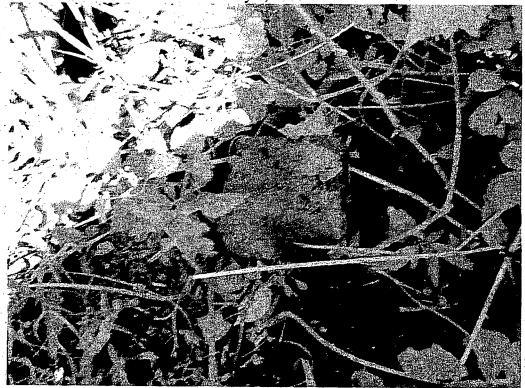


26. VIEW OF AREA SURROUNDING ITEM 14 LOOKING UPSTREAM

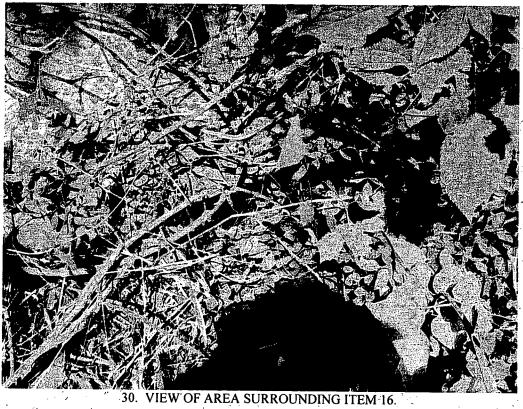


27. ITEM 15 (FOIL) - SOUTH BANK OF REACH 1.





29. ITEM 16 (OIL-STAINED WOOD BLOCK) - SOUTH BANK OF REACH 1.



South Plainfield, NJ Capacitor Search Photos July 8, 2008



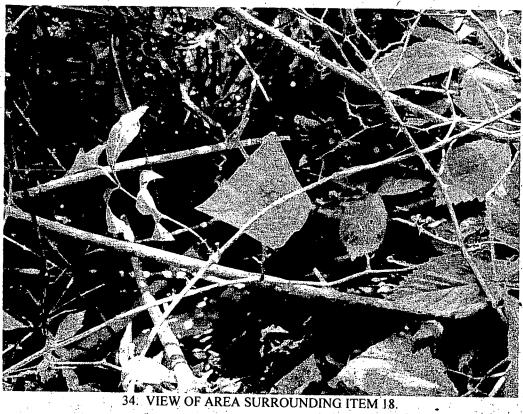
31. ITEM 17 (INNER PART OF CAPACITOR, PAPER/ FOIL ROLL) - SOUTH BANK OF REACH 1.



32. VIEW OF AREA SURROUNDING ITEM 17.



33. ITEM-18-(INNER-PART OF CAPACITOR, PAPER/FOIL ROLL) - SOUTH BANK OF REACH 1.





35. ITEM 19 (INNER PART OF CAPACITOR, PAPER/ FOIL ROLL) – SOUTH BANK OF REACH 1.









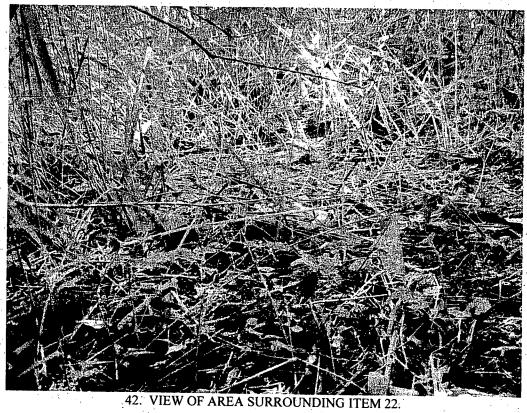
39. ITEM 21-(FOIL & CAPACITOR-MARKED "CORNELL-DUBILIER") – SOUTH BANK OF REACH 1.



40. VIEW OF AREA SURROUNDING ITEM 21.

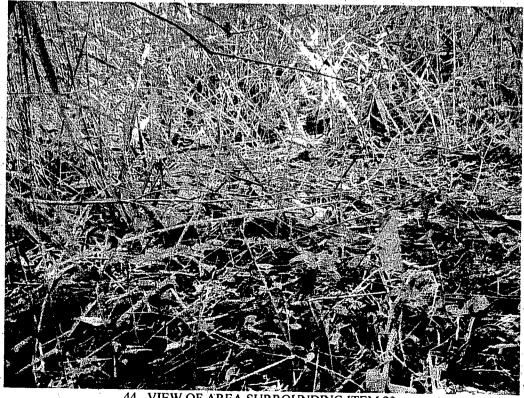


41. ITEM 22 (OIL-STAINED WOOD BLOCK) – SOUTH BANK OF REACH 1.





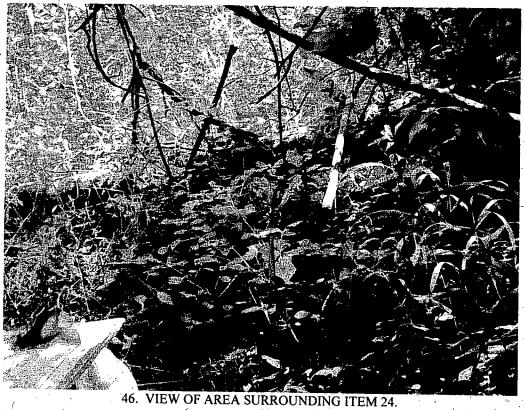
43:-ITEM 23 (PIECE OF METAL: SUSPECTED TO BE ASSOCIATED WITH CAPACTIOR EQUIPMENT) - SOUTH BANK OF REACH 1.

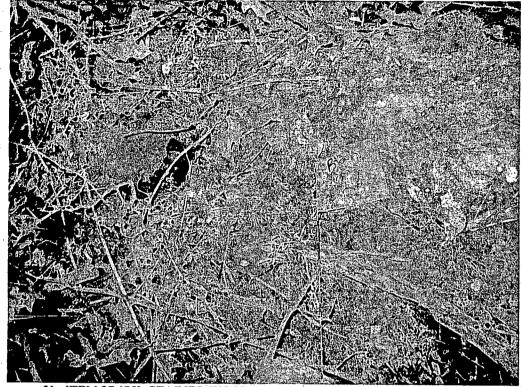


44. VIEW OF AREA SURROUNDING ITEM 23.



45. ITEM 24 (OIL-STAINED WOOD BLOCK) – SOUTH BANK OF REACH 1.





51. ITEM 27 (OIL-STAINED WOOD BLOCK) – SOUTH BANK OF REACH 1.



52. VIEW OF AREA SURROUNDING ITEM 27 LOOKING UPSTREAM.



53. AREA SURROUNDING ITEM 28 (OIL-STAINED WOOD BLOCK) – SOUTH BANK REACH 1.



54. AREA SURROUNDING ITEM 29.

